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WHAT IS CLAIMED IS:

- 1. A process for producing a glass for cathode ray tubes, having a Sb_2O_3 content of from 0 to 0.19% as represented by mass percentage and containing H_2O , which
- process comprises a step of melting a raw material in an atmosphere under a pressure of P_0 to obtain a molten glass, and a step of vacuum degassing the molten glass in an atmosphere under a pressure P_A which is lower than P_0 , wherein the pressure P of the molten glass is made to be
- at most (6.1W+0.06) atm in the vacuum degassing step, wherein W is the content of said H_2O as represented by mass percentage.
 - 2. The process for producing a glass for cathode ray tubes according to Claim 1, wherein the period of time during which the pressure P of the molten glass is made to be at most (6.1W+0.06) atm, is at least 0.1 hour.
 - 3. The process for producing a glass for cathode ray tubes according to Claim 1, wherein P_0 is from 0.8 to 1.2 atm.
- 20 4. The process for producing a glass for cathode ray tubes according to Claim 1, wherein W as represented by mass percentage, is from 0.005 to 0.05%.
 - 5. The process for producing a glass for cathode ray tubes according to Claim 1, wherein the glass for cathode ray tubes consists essentially of, as represented by mass percentage based on the following oxides:

SiO₂ 45 to 70%.

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Al_2O_3		0	to	10%,
Na ₂ O		1	to	15%,
K ₂ O		3	to	15%,
MgO		0	to	10%,
CaO		0	to	10%,
SrO		0	to	13%,
BaO		0	to	16%,
ZnO		0	to	5%,
ZrO_2		0	to	5%,
TiO_2		0	to	2%,
CeO ₂		0	to	5%,
B ₂ O ₃		0	to	5%,
Sb_2O_3		0	to	0.19%,
H_2O	0.00	5	to	0.05%,
SnO_2		0	to	5%, and
SO ₃		0	to	0.4%.

- 6. The process for producing a glass for cathode ray tubes according to Claim 1, wherein the Sb_2O_3 content as represented by mass percentage in the glass for cathode ray tubes, is from 0 to 0.029%.
- 7. The process for producing a glass for cathode ray tubes according to Claim 1, wherein the glass for cathode ray tubes contains no SnO_2 .
- 8. The process for producing a glass for cathode ray tubes according to Claim 1, wherein the glass for cathode ray tubes contains SO_3 , and its content as represented by mass percentage is from 0.05 to 0.4%.